

ABSTRACT OF THE DISCLOSURE

Output apparatus including a vectorization unit for vectorizing part of bitmap data into first vector data, a data production unit for producing bitmap data after transformation, and an output unit of outputting that bitmap data. The data production unit includes an inverse transformation unit for transforming first coordinate information of a target dot with an inverse function of a certain calculation, and a color determination unit for determining the color of a dot specified by second coordinate information based on the first vector data and the color of a dot on the bitmap data so that the color determined thereby is setup for a dot specified by first coordinate information, and a control unit for enabling the inverse transformation and the color determination to be performed on all dots on the bitmap data to be outputted. Thereby, jaggy-less bitmap data can be outputted without losing its image quality.